

## **ABSTRACT**

A comb-line filter and method of manufacturing the comb-line filter. The comb-line filter comprising a housing and at least one resonator. The housing comprises a first portion and a second portion, wherein the first portion is made of a dielectric material and the second portion is made of a conductive material. The first portion and the second portion are adapted for being attached together so as to define an interior chamber for conducting signals. The at least one resonator is attached to the second portion, and is adapted for extending within the interior chamber when the first portion and the second portion are attached. Comb-line filters in accordance with the present invention provide relatively low-cost and light-weight composite material comb-line filters.